

AMENDMENTS TO THE SPECIFICATION

Please replace the TITLE with the following amended TITLE:

A BIATRIAL TRIPLE-CHAMBER CARDIAC PACEMAKER WITH MULTI-CONDITIONAL INHIBITION OF SECOND ATRIAL STIMULATION

Please replace paragraph [0001] with the following amended paragraph:

[0001] The invention concerns a biatrial triple-chamber cardiac pacemaker comprising at least one sensing unit (e.g., A_{LS} , V_S , and A_{RS} of Fig. 1) for detecting signals related to a natural contraction of an atrium and a ventricle of a heart and at least one stimulation unit which is adapted to produce stimulation pulses for the stimulation of a second atrium and the ventricle of the heart. The cardiac pacemaker further includes a control which is connected to the sensing unit and the stimulation unit and which is adapted to evaluate at least the atrial sense events associated with the first atrium and the ventricular sense events associated with the ventricle, for actuation of the stimulation unit. Actuation is effected having regard to a ventricular escape interval and possibly a postatrial ventricular blanking time in such a way that a right-atrial sense event triggers the ventricular escape interval, at the end of which a ventricular stimulation pulse is triggered if same is not inhibited by a ventricular sense event within the ventricular escape interval and possibly outside the postatrial ventricular blanking time. Actuation is further effected having regard to an interatrial conduction time in such a way that a right-atrial sense event triggers the interatrial conduction time, at the end of which a left-atrial stimulation pulse is triggered which is possibly inhibited by a left-atrial sense event within the atrial conduction time.